	Application No.	Applicant(s)
New Salley of Alleysah Hite	10/027,395	YU ET AL.
Notice of Allowability	Examiner	Art Unit
	KHAI TRAN	2637
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. This communication is responsive to the application filed 12/20/01.		
2. The allowed claim(s) is/are <u>1-35</u> .		
3. The drawings filed on <u>20 December 2001</u> are accepted by the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application No	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give		
6. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.	
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t		
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 Notice of Informal P	atent Application (PTO-152)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	,, , ,
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 9/30/02,7/16/03, 仅/14/03	Paper No./Mail Dat	Paper No./Mail Date 7.
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's Stateme 9. □ Other	ent of Reasons for Allowance

Application/Control Number: 10/027,395 Page 2

Art Unit: 2637

REASONS FOR ALLOWANCE

Allowable Subject Matter

1. Claims 1-35 are allowed.

2. The following is an examiner's statement of reasons for allowance: none of the prior art of the record discloses or suggests that a method for stopping iterative decoding in a turbo decoder performing iterative decoding on a received frame comprised of information iterative decoded results, comprising steps of: a command to stop the iterative decoding when the selected minimum values M(i) is satisfied with both of the following two conditions, (1) the one is one case where the minimum values (m(i) is larger than a first threshold T1(i) determined based on a minimum values F_{min} among minimum values M(i) output through previous iterative decoding, and (2) the other is a case where the minimum value M(i) is larger than a second threshold T2(i) determined based on a minimum value I_{min} among minimum values M(i) satisfying the aforesaid condition (1); and stopping the iterative decoding in response to the command and then outputting the decoded results at the stop point as recited in claims 1, 6, 28 as well as structure of elements: minimum absolute LLR decoder, a comparator selector and a controller for performing these steps as recited in claims 13, 20, 32.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Application/Control Number: 10/027,395 Page 3

Art Unit: 2637

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Bass (US 2002/0016079 A1) discloses a turbo decoder with circular redundancy code signature comparison.

Cheng (U.S. Pat. 6,745,352) discloses estimating error rate for receiving communications.

Yu et al (US 2004/0153940 A1) disclose apparatus and method for error correction in a CDMA mobile communication system.

Xu (U.S. Pat. 6,829,313) discloses sliding window turbo decoder.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to KHAI TRAN whose telephone number is (571) 272-3019. The examiner can normally be reached on 7:00AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JAY PATEL can be reached on (571) 272-2988. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

7

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KHAI TRAN

Primary Examiner
Art Unit 2637

12/17/2004